Funder	Project Title	Funding	Strategic Plan Objective	Institution
Department of Defense - Army	IMAGING DEPRESSION IN ADULTS WITH ASD	$0	2.2	State University of New York at Stony Brook
Department of Defense - Army	AUTISM AND OBESITY: CO-OCCURRING CONDITIONS OR DRUG SIDE EFFECTS?	$0	2.2	Children's Mercy Hospital
Brain & Behavior Research Foundation	a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	$19,748	2.1	University of Tuebingen
Brain & Behavior Research Foundation	Autism Linked LRRTM4-Heparan Sulphate Proteoglycan Complex Functions in Synapse Development	$0	2.1	University of Manitoba
Brain & Behavior Research Foundation	The Interplay Between Human Astrocytes and Neurons in Psychiatric Disorders	$75,000	2.1	University of California, San Diego
Brain & Behavior Research Foundation	A Novel GABA Signalling Pathway in the CNS	$25,000	2.1	McLean Hospital
Brain & Behavior Research Foundation	Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	$0	2.1	University of North Carolina at Chapel Hill
Department of Defense - Army	DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS	$0	2.1	Northwestern University
Autism Speaks	Neural Synchrony and Plasticity in Children with Autism	$0	2.1	University of North Carolina at Chapel Hill
Autism Speaks	Na+-H+ Exchanger Mechanisms in Autism Pathophysiology and Treatment	$0	2.1	Brown University
Autism Speaks	PET/MRI investigation of neuroinflammation in autism spectrum disorders	$0	2.1	Massachusetts General Hospital
Autism Speaks	Anti-Neuronal Autoantibodies against Bacterial Polysaccharides in Autism Spectrum Disorders	$0	2.1	University of Oklahoma Health Sciences Center
National Science Foundation	BRIGE: Emotion mapping of children through human-robot interaction and affective computing	$0	2.1	University of Louisville
Autism Speaks	Molecular analysis of gene-environment interactions in the intestines of children with autism	$0	2.2	Columbia University
Autism Speaks	Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	$0	2.1	University of California, San Francisco
Autism Speaks	Identification and validation of genetic variants which cause the Autism Macrocephaly subphenotype	$0	2.1	University of California, Los Angeles
Autism Science Foundation	Calcium Channels as a Core Mechanism in the Neurobiology of ASD	$0	2.1	Massachusetts General Hospital
Autism Science Foundation	Investigating Autism with Direct Intracranial Recordings	$0	2.2	California Institute of Technology
Autism Research Institute	Unique Mitochondrial Dysfunction in Autism Spectrum Disorder	$20,000	2.1	University of Arkansas

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Science Foundation	Genetics Behind Brain Connectivity in ASD	$0	2.1	University of Texas Southwestern Medical Center
Autism Science Foundation	Brain Somatic Mosaicism at ASD-Associated Loci	$0	2.1	University of Michigan
Brain & Behavior Research Foundation	Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$15,000	2.1	Massachusetts Institute of Technology
Department of Defense - Army	IMPLICIT LEARNING ABILITIES PREDICT TREATMENT RESPONSE IN AUTISM SPECTRUM DISORDERS	$0	2.1	Weill Cornell Medical College
Department of Defense - Army	CIRCADIAN RHYTHMS IN CHILDREN WITH ASD AND THEIR INFANT SIBLINGS	$0	2.2	Naval Medical Research Center
National Science Foundation	CAREER: Typical and atypical development of brain regions for theory of mind	$0	2.1	Massachusetts Institute of Technology
Autism Speaks	Folate receptor autoimmunity in Autism Spectrum Disorders	$0	2.1	State University of New York Downstate Medical Center
Department of Defense - Army	Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	$0	2.1	University of Southern California
Department of Defense - Army	Mechanisms of synaptic alterations in a neuroinflammation model of autism	$0	2.1	University of Nebraska Medical Center
Department of Defense - Army	The role of the new mTOR complex, mTORC2, in autism spectrum disorders	$0	2.1	Baylor College of Medicine
National Science Foundation	MRI: Acquistion of an Infrared Eye Tracker to Study the Emergence, Use, Loss, and Requisition of Communication Skills	$0	2.1	Emerson College
Autism Speaks	Classifying autism etiology by expression networks in neural progenitors and differentiating neurons	$0	2.1	Massachusetts General Hospital
Department of Defense - Army	BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	$0	2.1	University of Maryland, College Park
Autism Speaks	Foundation Associates agreement (BrainNet)	$375,000	2.1	Foundation Associates, LLC
National Science Foundation	UNS: GARDE: Research to Quantify the Health and Development of Children with Disabilities Around the Clock	$0	2.2	Kansas State University
Brain & Behavior Research Foundation	Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents	$35,000	2.1	University of Wisconsin-Madison
Brain & Behavior Research Foundation	Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders	$34,970	2.1	University of Pittsburgh

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders	$17,500	2.1	INSERM
Brain & Behavior Research Foundation	Dissecting the Human Magnocellular Visual Pathway in Perceptual Disorders	$33,000	2.2	New York University
Brain & Behavior Research Foundation	Neural Basis of Deficits in Multisensory Integration in Schizophrenia and ASD	$17,500	2.1	Columbia University
Brain & Behavior Research Foundation	A Massively Parallel Approach to Functional Testing of PTEN Mutations	$34,710	2.1	Oregon Health & Science University
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	Landmark College
National Institutes of Health	Multiscale Genetic Connectivity of Primate Social Circuits	$643,674	2.1	University of Utah
National Institutes of Health	Organization of Excitatory and Inhibitory Circuits in ASD	$409,250	2.1	Boston University
Brain & Behavior Research Foundation	Genotype to Phenotype Association in Autism Spectrum Disorders	$32,500	2.1	Massachusetts General Hospital
Brain & Behavior Research Foundation	Multimodal Characterization of the Brain Phenotype in Children with Duplication of the 7q11.23 Williams Syndrome Chromosomal Region: A Well-defined Genetic Model for Autism	$100,000	2.1	National Institutes of Health
Brain & Behavior Research Foundation	The Role of Sensory Over-responsivity in the Development of Anxiety in Children With and Without Autism	$34,672	2.2	Duke University Medical Center
Brain & Behavior Research Foundation	Advancing a Biomarker of Disrupted GABAergic Neurotransmission in Autism	$17,500	2.1	Massachusetts Institute of Technology
National Science Foundation	Social cognition for competition versus cooperation	$382,643	2.Core/Other	Boston College
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	Massachusetts Institute of Technology
Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	2.2	University of North Carolina at Chapel Hill
Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	2.2	Duke University
Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	2.2	Duke University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Mechanisms of eIF4E-dependent Translational Control in Autism	$66,667	2.1	McGill University
National Institutes of Health	Language Development in Fragile X Syndrome	$498,095	2.1	University of California, Davis
National Institutes of Health	Role of UBE3A in the Central Nervous System	$321,269	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Brain Network Development in Normal and Autistic Children	$187,164	2.1	University of Utah
Department of Defense - Army	MATERNAL BRAIN-REACTIVE ANTIBODIES AND AUTISM SPECTRUM DISORDER	$0	2.1	Feinstein Institute for Medical Research
Autism Speaks	Monitoring Treatment-Induced Neuroanatomical Changes in a Mouse Model of Rett Syndrome	$30,000	2.1	The Hospital for Sick Children
Brain & Behavior Research Foundation	Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains	$35,000	2.1	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Developing Neural Markers to Evaluate Social Skills Training in ASD	$35,000	2.1	California Institute of Technology
Brain & Behavior Research Foundation	Molecular Dimorphism in the Locus Coeruleus May Mediate Sex-specific Differences in Psychiatric Disease Risk	$25,000	2.CC	Washington University in St. Louis
Brain & Behavior Research Foundation	Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glial Co-cultures	$35,000	2.1	Whitehead Institute for Biomedical Research
Brain & Behavior Research Foundation	Signaling Pathways that Regulate Excitatory-inhibitory Balance	$35,000	2.1	University of California, San Diego
Brain & Behavior Research Foundation	Corticogenesis and Autism Spectrum Disorders: New Hypotheses on Transcriptional Regulation of Embryonic Neurogenesis by FGFs from In Vivo Studies and RNA-sequencing Analysis of Mouse Brain	$0	2.1	Yale University
Autism Speaks	Alterations of the human brain structural connectome in preschool aged children with ASD	$30,000	2.1	University of California, Davis
Brain & Behavior Research Foundation	Cellular Mechanisms Controlling White Matter Connectivity: Making Sense of a Genetic Risk Factor for Autism and Schizophrenia	$35,000	2.1	Columbia University
Brain & Behavior Research Foundation	In vivo Imaging of Prefrontal Cortical Activity During Social Interactions in Normal and Autism Mice	$35,000	2.1	Duke University
Brain & Behavior Research Foundation	The Study of Homeostatic Downscaling in Psychiatric Disorders	$35,000	2.1	University of Illinois at Urbana-Champaign

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Statistical Methods for Ultrahigh-dimensional Biomedical Data	$292,777	2.Core/Other	Princeton University
National Institutes of Health	Fragile X Phenotypes Modulated by Altered Signaling to the Synaptic Cytoskeleton	$343,438	2.1	Duke University
National Institutes of Health	Analysis of Shank3 Complete and Temporal and Spatial Specific Knockout Mice	$425,202	2.1	Duke University
National Institutes of Health	Microbiota and Neural Circuits controlling Social Behavior	$226,750	2.2	Georgia State University
Autism Speaks	Cell-type and circuit-specific functional deficits in cortex from gene disruptions linked to autism	$0	2.1	University of North Carolina at Chapel Hill
Brain & Behavior Research Foundation	Excitatory/Inhibitory Imbalance in Autism and Early-course Schizophrenia	$14,931	2.1	Yale University
Brain & Behavior Research Foundation	Rebuilding Inhibition in the Autistic Brain	$49,680	2.1	Brandeis University
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	2.1	Children's Hospital of Philadelphia
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	2.1	Nemours Children's Health System, Jacksonville
Autism Speaks	Nonsocial Interests and Reward Processing in Autism Spectrum Disorders	$30,000	2.1	Vanderbilt University
Autism Speaks	CYFIP function/s in brain: insights into Autism Spectrum Disorders	$117,500	2.1	Vlaams Instituut voor Biotechnologie
Brain & Behavior Research Foundation	Interrogating Synaptic Transmission in Human Neurons	$17,500	2.1	Stanford University
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	TERC Inc
Autism Speaks	Neurobiological foundations of self-conscious emotion understanding in adolescents with ASD	$30,000	2.1	University of Oregon
Brain & Behavior Research Foundation	Behavioral, Cognitive, and Neural Signatures of Autism in Girls: Towards Big Data Science in Psychiatry	$35,000	2.CC	Stanford University
Brain & Behavior Research Foundation	Reconceptualizing Brain Connectivity and Development in Autism	$35,000	2.1	University of Miami
Autism Speaks	Behavioral and Neural Variability in Autism Spectrum Disorder	$0	2.1	Vanderbilt University
Brain & Behavior Research Foundation	Abnormal connectivity in autism	$14,881	2.1	University of Southern California
Brain & Behavior Research Foundation	Dysfunction of Cortical Systems for Language and Working Memory in Autism Spectrum Disorder	$17,500	2.1	Boston University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Common Thalamic Circuits for Sleep and Attention	$17,500	2.2	New York University
Brain & Behavior Research Foundation	The Impact of Sleep Disturbance During Development on Autism-like Social Behavior in Voles	$35,000	2.2	Portland VA Research Foundation; Oregon Health and Science University
National Science Foundation	CAREER: Statistical models and classification of time-varying shape	$0	2.Core/Other	University of Utah
Brain & Behavior Research Foundation	Antigenic Specificity and Neurological Effects of Monoclonal Anti-brain Antibodies Isolated from Mothers of a Child with Autism Spectrum Disorder: Toward Protection Studies	$35,000	2.1	The Feinstein Institute for Medical Research
National Science Foundation	SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	$0	2.1	University of Kentucky
National Science Foundation	Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases	$0	2.1	University of Washington
Autism Speaks	Temporal divergence of hypoconnectivity and excitotoxicity in Rett syndrome	$215,784	2.1	Vanderbilt University
Autism Speaks	Investigating Shank3 function during synaptogenesis in mice to define a therapeutic window for ASD.	$30,000	2.1	Duke University
Simons Foundation	The intersection between habit and anxiety in a genetic model of autism	$125,000	2.1	Cold Spring Harbor Laboratory
Simons Foundation	Illuminating the role of glia in a zebrafish model of Rett syndrome	$125,000	2.1	University of California, San Diego
Simons Foundation	Neuronal translation in Tsc2+/- and Fmr1-/y mutant ASD mouse models	$124,999	2.1	Columbia University
National Institutes of Health	Genetic-imaging study of obsessive compulsive behavior in autism	$316,135	2.2	Brown University
National Institutes of Health	Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	$380,625	2.1	Beth Israel Deaconess Medical Center
National Institutes of Health	Experience-dependent plasticity of synaptic structure.-Resubmission-1	$370,781	2.1	New York University School of Medicine
National Institutes of Health	Proteogenetics of Autism Spectrum Disorders	$583,992	2.1	Scripps Research Institute
National Institutes of Health	Adult Neurogenesis and Executive Function	$417,500	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Developing measures for community-based research on trauma and related conditions in ASD	$133,492	2.2	Drexel University
National Institutes of Health	Brain Network Dynamics Contributing to Atypical Social Interaction in Autism	$523,573	2.1	University of Maryland, College Park

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Optimizing Prediction of Social Deficits in Autism Spectrum Disorders	$428,200	2.1	State University of New York at Stony Brook
National Institutes of Health	Neurobiology of Autism With Macrocephaly	$614,548	2.1	Yale University
National Institutes of Health	Molecular causes of cognitive and autistic disabilities	$520,996	2.1	Tufts University Boston
National Institutes of Health	Brain Systems Supporting Learning and Memory in Children with Autism	$166,338	2.1	Stanford University
National Institutes of Health	Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism	$244,566	2.1	Seattle Children's Hospital
Simons Foundation	Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes	$250,000	2.1	University of California, San Francisco
Simons Foundation	Probing perception and sensorimotor coupling in mouse models of autism	$75,000	2.1	Harvard University
National Institutes of Health	Environmental Influences on Neurodevelopmental Outcome in Infants Born Very Preterm	$1,542,929	2.3	Women & Infants Hospital
National Institutes of Health	Robust trans-synaptic labeling technologies for cell type-specific quantitation of synaptic connectivity	$333,000	2.Core/Other	Salk Institute for Biological Studies
National Institutes of Health	Spastic paraplegia, neurodegeneration and autism: possible role for AT-1/SLC33A1?	$330,978	2.1	University of Wisconsin-Madison
National Institutes of Health	Genomics Core	$109,153	2.Core/Other	University of California, San Diego
National Institutes of Health	An fMRI investigation of propagated intrinsic activity in early development and autism	$29,911	2.1	Washington University in St. Louis
National Institutes of Health	Linking Defects in Cortical Network Activity with Altered Sensory Perception in Fragile X Mice	$35,845	2.1	University of California, Los Angeles
Simons Foundation	Electrophysiological consequences of SCN2A mutations found in ASD	$0	2.1	University of California, San Francisco
National Institutes of Health	Project 4: Calcium Signaling Defects in Autism (Pessah/Lein)	$115,417	2.1	University of California, Davis
National Institutes of Health	Pre-adolescent and Late-adolescent Follow-up of the CHARGE Study Children	$1,569,427	2.3	University of California, Davis
National Institutes of Health	BPA, Cortical Development and Gene Expression: Implications for Autism	$236,192	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Electrophysiological Signatures of Language Impairment in Autism Spectrum Disord	$318,519	2.1	Children's Hospital of Philadelphia
Simons Foundation	Canonical Computations in Autism	$137,070	2.1	Baylor College of Medicine
National Institutes of Health	Characterizing the CHD8 Complex to Determine its Role in Autism Spectrum Disorder	$43,576	2.1	Stanford University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Dissecting primary motor cortex circuit dysfunction in a mouse model of MeCP2 duplication syndrome	$137,500	2.1	Brigham and Women's Hospital
Simons Foundation	Probing the development and reversibility of autism-related phenotypes in SETD5 conditional knockout mice	$99,730	2.1	Institute of Science and Technology Austria
National Institutes of Health	Compressive Genomics for Large Omics Data Sets: Algorithms, Applications and Tools	$372,014	2.Core/Other	Massachusetts Institute of Technology
Simons Foundation	A novel window into ASD through genetic targeting of striosomes - Core	$175,141	2.1	Massachusetts Institute of Technology
Simons Foundation	In vivo approach to screen ASD allele functions in cortical interneurons	$62,500	2.1	University of California, San Francisco
Simons Foundation	Disrupted Network Activity in Neonatal Cortex of Mouse Models of Autism	$62,500	2.1	Yale University
Simons Foundation	Speech Phenotype in 16p11.2	$0	2.1	Murdoch Childrens Research Institute
Simons Foundation	Novel technology for behavioral phenotyping of autism mouse models	$75,000	2.1	California Institute of Technology
Simons Foundation	Mechanisms that Connect Autism with Homeostatic Synaptic Plasticity	$125,000	2.1	University of California, San Francisco
National Institutes of Health	Abnormal Cerebellar Physiology and Development in the Autistic Brain	$43,576	2.1	University of Chicago
National Institutes of Health	A Multimodal Investigation of Inhibitory Dysfunction in Autism Spectrum Disorder	$82,734	2.1	Johns Hopkins University
National Institutes of Health	Immune regulation and neurodevelopmental disorders	$235,500	2.1	University of California, Davis
National Institutes of Health	Multimodal Developmental Neurogenetics of Females with ASD	$2,525,159	2.CC	George Washington University
National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	$622,854	2.1	Harvard Medical School
National Institutes of Health	Function and Structure Adaptations in Forebrain Development	$590,225	2.1	Children's Hospital Los Angeles
National Institutes of Health	Maximizing Biospecimen Collection from Children with Mental Health Conditions	$266,785	2.1	Group Health Cooperative
National Institutes of Health	SLC7A5-MTOR Regulation of Neural Development	$442,241	2.1	Clemson University
National Institutes of Health	Chloride homeostasis and GABA maturation in fragile X syndrome	$193,125	2.1	Northwestern University
National Institutes of Health	Direct Examination of Imitation-Based Learning in Autism	$282,800	2.1	Kennedy Krieger Institute
National Institutes of Health	Development of vision and attention in typical and ASD individuals	$282,879	2.1	Brown University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Single-cell approaches to deconvolution of disease-associated signals	$736,293	2.Core/Other	University of California, San Diego
National Institutes of Health	Cdh8-dependent circuit development in autism	$423,750	2.1	Icahn School of Medicine At Mount Sinai
National Institutes of Health	ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$267,536	2.Core/Other	Emory University
National Institutes of Health	ACE Center: Predicting risk and resilience in ASD through social visual engagement	$354,189	2.1	Emory University
Simons Foundation	Top-down dynamics in autism	$210,000	2.1	Rockefeller University
Simons Foundation	Understanding somatosensory deficits in Autism Spectrum Disorder	$125,000	2.1	Harvard University
Simons Foundation	A new non-human primate model for studying communicative behaviors	$125,000	2.Core/Other	Johns Hopkins University School of Medicine
National Institutes of Health	Alternative splicing-mediated mechanisms of cortical interneuron maturation and circuit integration	$96,751	2.1	New York University School of Medicine
Simons Foundation	Molecular characterization of temperature sensitive circuits in the mouse	$180,000	2.1	Harvard University
Simons Foundation	Identification of shared transcriptional profiles with three high-confidence autism mouse models	$100,000	2.1	University of North Carolina at Chapel Hill
Simons Foundation	Restoring GABA inhibition in a Rett syndrome mouse model by tuning a kinase-regulated Cl- rheostat	$66,839	2.1	Yale University
National Institutes of Health	Signaling Pathways in Autism	$74,611	2.1	University of Nebraska Medical Center
Simons Foundation	The role of striatal interneurons in social deficits and repetitive behaviors	$70,000	2.CC	Yale University
National Institutes of Health	High content assays for cellular and synaptic phenotypes	$421,623	2.Core/Other	University of California, San Diego
National Institutes of Health	Reproducible protocols for robust cortical neuron and astroglial differentiation	$453,211	2.Core/Other	University of California, San Diego
Simons Foundation	Role of LIN28/let-7 axis in autism	$0	2.1	Johns Hopkins University School of Medicine
Simons Foundation	Role of GABA interneurons in a genetic model of autism	$0	2.1	Yale University
Simons Foundation	CNTNAP2 regulates production, migration and organization of cortical neurons	$0	2.1	Memorial Sloan-Kettering Cancer Center
Simons Foundation	A novel window into ASD through genetic targeting of striosomes - Project 1	$72,271	2.1	Cold Spring Harbor Laboratory
Simons Foundation	Understanding brain disorders related to the 15q11.2 chromosomal region	$250,000	2.1	Johns Hopkins University School of Medicine

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	$36,454	2.1	University of South Carolina
Simons Foundation	Identification of genes responsible for a genetic cause of autism	$125,000	2.1	Case Western Reserve University
National Institutes of Health	Dynamic regulation of Shank3 and ASD	$602,491	2.1	Johns Hopkins University
National Institutes of Health	Predictors of Cognitive Development in Autism Spectrum Disorder	$510,456	2.3	University of California, Davis
National Institutes of Health	Role of somatic mosaicism in autism, schizophrenia, and bipolar disorder brain	$674,484	2.1	Kennedy Krieger Institute
Simons Foundation	Neurobiological basis of connectivity deficits in autism	$67,436	2.1	Fondazione Istituto Italiano di Tecnologia
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	$39,613	2.1	University of California, San Francisco
Simons Foundation	Interneuron subtype-specific malfunction in autism spectrum disorders	$120,000	2.1	New York University School of Medicine
National Institutes of Health	The genomic bridge project (GBP)	$167,850	2.1	Massachusetts General Hospital
National Institutes of Health	Striatal Glutamate Signaling and Cognition in Autism Mouse Models	$225,619	2.1	University of Illinois at Chicago
National Institutes of Health	Regulation of Excitatory-Inhibitory Balance by Local Translation of the Immediate Early Gene Npas4	$54,294	2.Core/Other	University of California, San Diego
Simons Foundation	Immune signaling in the developing brain in mouse models of ASD	$200,000	2.1	University of California, Davis
National Institutes of Health	Scalable technologies for genome engineering in hIPSCs	$306,948	2.1	University of California, San Diego
National Institutes of Health	Regulation of mTOR signaling in the developing cerebral cortex as a point of convergence for multiple autism risk factors	$480,000	2.1	Scripps Research Institute - Florida
Autism Science Foundation	Role of an autism-related cytokine in a genetic model of ASD	$25,000	2.1	University of California, San Diego
Autism Science Foundation	Genetic mutations in chromosome 16 and their role in autism	$25,000	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Analysis of Shank3 ubiquitination regulation by RNF31 phosphorylation	$70,000	2.1	Medical University of South Carolina
National Institutes of Health	Translational Regulation of Adult Neural Stem Cells	$372,646	2.1	University of Wisconsin-Madison
National Institutes of Health	Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$394,331	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	The Social Brain in Schizophrenia and Autism Spectrum Disorders	$419,139	2.1	Hartford Hospital
National Institutes of Health	Shank3 in Synaptic Function and Autism	$401,250	2.1	Massachusetts Institute of Technology

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Speaks	Cortical Markers of Central Auditory Processing Disorder in Minimally Verbal Children with ASD	$30,400	2.1	Boston University
National Institutes of Health	Predicting Voice Quality in ASD from Early Markers of Vocal Development	$67,078	2.1	Emory University
National Institutes of Health	Early Social Communication Environment and Brain Development in Infants at Risk for Autism	$88,597	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Network Abnormalities in Autism	$77,313	2.1	University of Vermont
National Institutes of Health	Endoplasmic Reticulum Stress as a Novel Mechanism of Synaptic Dysfunction in Autism-Associated NLGN3 R451C Human Neurons	$37,840	2.1	Rutgers Robert Wood Johnson Medical School
National Institutes of Health	Chandellier interneurons and the excitation/inhibition balance in the human prefrontal cortex in autism	$384,979	2.1	University of California, Davis
National Institutes of Health	Longitudinal Investigation of Social-Communication and Attention Processes in School-Aged Children at Genetic Risk for Autism	$723,224	2.3	University of California, Davis
National Institutes of Health	Quantitative Analysis of the Postsynaptic Inhibitory Complex In Vivo	$238,500	2.Core/Other	Duke University
National Institutes of Health	Decoding the RGS14 Interactome/Signalosome in CA2 hippocampal neurons	$234,000	2.1	Emory University
National Institutes of Health	Project 3: Immune Environment Interaction and Neurodevelopment	$116,018	2.1	University of California, Davis
National Institutes of Health	Brain Systems Underlying Episodic Memory for Social Stimuli in Childhood Autism	$123,112	2.1	Stanford University
National Institutes of Health	ACE Center: Predicting risk and resilience in ASD through social visual engagement	$1	2.1	Emory University
National Institutes of Health	ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$1	2.Core/Other	Emory University
Simons Foundation	Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$0	2.1	New York University
Simons Foundation	Correcting excitatory-inhibitory imbalance in autism	$112,500	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Role of somatic mosaicism in autism, schizophrenia, and bipolar disorder brain	$163,315	2.1	Kennedy Krieger Institute
National Institutes of Health	Thalamic activity and structure and surface neural oscillations in autism	$182,546	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Thalamocortical circuit defects in developmental brain disorders	$492,465	2.1	University of Maryland, Baltimore
National Institutes of Health	Cognitive and Neural Flexibility in Autism	$474,322	2.1	University of Miami

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National Institutes of Health	Functional architecture of a face processing area in the common marmoset	$48,576	2.1	Weill Cornell Medical College
National Institutes of Health	A Family-Genetic Study of Language in Autism	$661,091	2.1	Northwestern University
National Institutes of Health	Integration of Emerging Technologies to Define the Spectrum of Structural Variation in Neuropsychiatric Disease	$58,794	2.1	Massachusetts General Hospital
Simons Foundation	Behavioral effects of fever and other illness on young children with autism –Core	$78,882	2.Core/Other	Weill Cornell Medical College
Simons Foundation	Behavioral effects of fever and other illness on young children with autism - Project 1	$90,000	2.Core/Other	University of California, San Francisco
Simons Foundation	Immune p38-alpha MAPK activation: Convergent mechanism linking autism models	$214,613	2.1	Florida Atlantic University
National Institutes of Health	Neural Mechanisms for Social Interactions and Eye Contact in ASD	$713,408	2.1	Yale University
Simons Foundation	Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$248,843	2.1	George Washington University
Simons Foundation	How do autism-related mutations affect basal ganglia function?	$62,500	2.1	University of California, Berkeley
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations	$331,349	2.1	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations	$216,154	2.1	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations	$386,566	2.1	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations	$89,954	2.1	Boston Children's Hospital
National Institutes of Health	Visual Circuit Regression and Its Rescue in RTT Mouse Models	$564,049	2.1	Boston Children's Hospital
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Core	$68,750	2.1	University of Massachusetts Medical School
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Project 1	$68,750	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Akt-mTOR Pathway Impact on Neural Stem Cell Fates	$380,133	2.1	Richard Stockton College of New Jersey
Autism Science Foundation	Study of a potentially novel biomarker for features of ASD	$25,000	2.1	Johns Hopkins University
National Institutes of Health	GABA(A) Receptor Assembly/Trafficking/Function and Epilepsy Missense Mutations	$51,188	2.2	Vanderbilt University
Simons Foundation	Exploring the Intersection of Autism and Homeostatic Synaptic Plasticity	$0	2.1	University of California, San Francisco

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Microglia in models of normal brain development, prenatal immune stress and genetic risk for autism	$200,000	2.1	Harvard Medical School
Simons Foundation	MAGEL2, a candidate gene for autism and Prader-Willi syndrome	$53,753	2.1	University of Alberta
Simons Foundation	CHD8 and beta-catenin signaling in autism	$62,500	2.1	University of Chicago
National Institutes of Health	Neural Correlates of Biological Motion Perception in Children with ASD	$59,410	2.3	Yale University
National Institutes of Health	A Longitudinal MRI Study of Infants at Risk for Autism	$2,434,558	2.3	University of North Carolina at Chapel Hill
National Institutes of Health	Functional Genomics of Human Brain Development	$266,096	2.1	Yale University
National Institutes of Health	Maternal Immune Activation in a Genetic Mouse Model of ASD	$375,316	2.1	University of Nebraska Medical Center
Simons Foundation	Impact of Pten mutations: brain growth trajectory and scaling of cell types	$0	2.1	Scripps Research Institute
National Institutes of Health	mTOR modulation of myelination	$179,658	2.1	Vanderbilt University Medical Center
National Institutes of Health	Electrophysiological Response to Executive Control Training in Autism	$233,604	2.1	Boston Children's Hospital
National Institutes of Health	Decoding Neural Systems Underlying Affective Prosody in Children with Autism	$172,398	2.1	Stanford University
Simons Foundation	Functional and behavioral analysis of zebrafish ASD models	$74,975	2.1	University of Queensland
Simons Foundation	Do VIP interneurons drive abnormal prefrontal circuit function in autism?	$75,000	2.1	University of California, San Francisco
Simons Foundation	Does Astrocyte Dysfunction Contribute to Synaptic Pathologies in Autism?	$75,000	2.1	Duke University Medical Center
Simons Foundation	Foxp1 orchestration of neuronal function in the striatum	$73,345	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Development of corticothalamic circuits of prefrontal cortex in mouse models of autism	$75,000	2.1	Boston Children's Hospital
Simons Foundation	Autophagy pathway alterations in lymphocytes: Potential biomarkers for autism?	$79,551	2.1	Columbia University
Simons Foundation	Exploring Sex Differences in ASD via the NRXN1 KO Rat	$75,000	2.CC	University of Maryland, College Park
Simons Foundation	Assessing thalamocortical circuit function in TSC1 and NHE6 mouse models	$75,000	2.1	Brown University
National Institutes of Health	Stem cell- based studies of gene-environment interactions in PTEN-associated autism	$260,250	2.1	University of California, Los Angeles
National Institutes of Health	Mechanotransduction C. elegans	$588,908	2.1	Massachusetts General Hospital

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Neuronal Activity-Dependent Regulation of MeCP2	$606,287	2.1	Harvard Medical School
Simons Foundation	Analysis of oxytocin function in brain circuits processing social cues	$62,500	2.1	Harvard University
Simons Foundation	The Role of Cation/Proton Exchanger NHE9 in Autism	$62,500	2.1	University of California, San Francisco
Simons Foundation	Cellular models for autism de novo mutations using human stem cells	$250,000	2.Core/Other	Broad Institute, Inc.
Simons Foundation	Chromatin remodeling in autism	$250,000	2.1	Stanford University
National Institutes of Health	Genetics of conotruncal defects and associated neurodevelopmental outcomes	$453,446	2.2	Icahn School of Medicine At Mount Sinai
National Institutes of Health	Role of 14-3-3epsilon in neurite initiation	$340,161	2.1	Drexel University
National Institutes of Health	Environmental Influence on Infant Microbiome Development and ASD Symptoms	$699,660	2.Core/Other	University of California, Davis
Simons Foundation	A gene-driven systems approach to identifying autism pathology	$749,918	2.1	University of California, San Francisco
National Institutes of Health	Mechanisms underlying the Cerebellar Contribution to Autism in Mouse Models of Tuberous Sclerosis Complex	$190,458	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Optical imaging of circuit dynamics in autism models in virtual reality	$0	2.1	Harvard Medical School
National Institutes of Health	Neural basis of working memory and inhibitory control in ASD Children using NIRS	$30,876	2.1	Georgetown University
National Institutes of Health	Tools for manipulating local protein synthesis in the brain	$148,500	2.1	University of Toronto
Simons Foundation	Quantification of Learning Algorithm Performance to Inputs of Variable Complexity: Implications for Emotional Intelligence in Autism Spectrum Disorder	$15,791	2.1	Boston Children's Hospital
Simons Foundation	Sleep Disordered Breathing, Microparticles and Proinflammation in ASD	$0	2.2	Stanford University
National Institutes of Health	The Role of BK Channels in Neuropathology of Fragile X Syndrome	$380,000	2.1	Washington University in St. Louis
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$603,129	2.1	Emory University
National Institutes of Health	Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$639,375	2.1	Memorial Sloan-Kettering Cancer Center
National Institutes of Health	Development and afferent regulation of auditory neurons	$380,000	2.1	Florida State University
National Institutes of Health	Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders	$533,529	2.1	University of Wisconsin-Madison

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Eyeblink conditioning in school-aged children with ASD	$497,699	2.1	Seattle Children's Hospital
National Institutes of Health	Inhibitory dysfunction in autism	$552,541	2.1	University of Washington
National Institutes of Health	The neurophysiology of sensory processing and multisensory integration in ASD	$410,019	2.1	Syracuse University
Simons Foundation	Neurobiology of Rai1, a critical gene for syndromic ASDs	$175,000	2.1	Stanford University
National Institutes of Health	Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome	$740,752	2.2	University of South Carolina
Simons Foundation	BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome	$0	2.1	University of California, Santa Barbara
Simons Foundation	Rescuing synaptic and circuit deficits in an Angelman syndrome mouse model	$0	2.1	University of Arizona
National Institutes of Health	Serotonin Receptor Subtypes as Pharmacotherapeutic Targets in Autism	$202,500	2.1	Hussman Institute for Autism, Inc.
National Institutes of Health	Molecular mechanisms of electrical synapse formation in vivo	$249,000	2.1	University of Oregon
National Institutes of Health	Connectivity of the Posterior Cerebellum	$40,176	2.1	Princeton University
National Institutes of Health	Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	$383,322	2.1	Vanderbilt University
National Institutes of Health	Prenatal environmental toxicants induce neuroinflammation causing autistic behaviors	$608,021	2.1	Wadsworth Center
National Institutes of Health	Genotype-Phenotype Relationships in Fragile X Families	$547,472	2.1	University of California, Davis
National Institutes of Health	GABRB3 and Placental Vulnerability in ASD	$580,565	2.1	Stanford University
National Institutes of Health	Understanding the Role of EPAC2 in Cognitive Function	$48,576	2.1	Northwestern University
Simons Foundation	Translational dysregulation in autism pathogenesis and therapy	$250,000	2.1	Massachusetts General Hospital
National Institutes of Health	Neuronal Adaptation and Plasticity after Chronic Disuse	$423,750	2.1	New York University School of Medicine
National Institutes of Health	Induced neuronal cells: A novel tool to study neuropsychiatric diseases	$615,259	2.1	Stanford University
National Institutes of Health	Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	$353,914	2.1	Stanford University
National Institutes of Health	Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder	$670,458	2.3	University of California, Davis
National Institutes of Health	Prenatal Origins of Neurometabolic Consequences	$316,354	2.1	University of California, Los Angeles
National Institutes of Health	Synaptic pathophysiology of the 16p11.2 microdeletion mouse model	$531,026	2.2	Massachusetts Institute of Technology

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	The neurobiological basis of heterogeneous social and motor deficits in ASD	$423,920	2.1	University of Southern California
National Institutes of Health	1/2-Somatic mosaicism and autism spectrum disorder	$1,595,121	2.1	Boston Children's Hospital
National Institutes of Health	2/2 Somatic mosaicism and autism spectrum disorder	$694,098	2.1	Yale University
National Institutes of Health	Emergence and Stability of Autism in Fragile X Syndrome	$714,793	2.3	University of South Carolina
National Institutes of Health	A longitudinal study of brain development in children with autism	$735,113	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Evaluating the effect of splicing mutations on isoform networks in autism	$420,427	2.1	University of California, San Diego
National Institutes of Health	Regulation of Mammalian Social Behavior by the Gtf2i Family of Proteins	$501,347	2.1	Washington University in St. Louis
Simons Foundation	The role of PTCHD1 in thalamic reticular nucleus function and ASD	$250,000	2.1	Massachusetts Institute of Technology
Simons Foundation	Molecular consequences of strong effect ASD mutations including 16p11.2	$250,000	2.1	Massachusetts General Hospital
Simons Foundation	Uncovering the impact of 16p11.2del on neurons mediating motivated behavior	$249,629	2.CC	University of Pennsylvania
Simons Foundation	Translational dysregulation of the RhoA pathway in autism	$250,605	2.1	University of California, San Diego
National Institutes of Health	The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype	$703,652	2.3	San Diego State University
National Institutes of Health	1/2-Somatic mosaicism and autism spectrum disorder	$101,700	2.1	Boston Children's Hospital
National Institutes of Health	2/2 Somatic mosaicism and autism spectrum disorder	$72,260	2.1	Yale University
Simons Foundation	Role of Caspr2 (CNTNAP2) in brain circuits-Core	$0	2.1	Weizmann Institute of Science
Autism Speaks	Evaluating the association between parental broader autism phenotype and child ASD phenotype	$30,400	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Prefrontal corticothalamic circuits in autism	$178,646	2.1	University of California, San Francisco
National Institutes of Health	Phenotyping Astrocytes in Human Neurodevelopmental Disorders	$386,463	2.1	Stanford University
National Institutes of Health	Birth Defects: Moebius syndrome and related facial weakness disorders	$368,816	2.2	Icahn School of Medicine At Mount Sinai
National Institutes of Health	Hippocampal mechanisms in observational learning	$397,754	2.1	Baylor College of Medicine
Simons Foundation	Comparison of cortical circuit dysfunction in ASD model mice	$125,000	2.1	University of California, Berkeley

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Genetic rescue of a mouse model of Fragile X by targeted deletion of RICTOR	$70,000	2.1	Albert Einsteign College of Medicine
Simons Foundation	Neural mechanisms of social reward in mouse models of autism	$249,994	2.1	Stanford University
Simons Foundation	Neuroligin function in the prefrontal cortex and autism pathogenesis	$250,000	2.1	Stanford University
National Institutes of Health	The Elongation Hypothesis of Autism	$760,000	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Autism Spectrum Disorders and Depression: Shared Mechanisms in Brain and Behavior	$160,115	2.2	Vanderbilt University Medical Center
Simons Foundation	Decoding Affective Prosody and Communication Circuits in Autism	$287,870	2.1	Stanford University
Simons Foundation	Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	$250,000	2.1	Brandeis University
National Institutes of Health	Sensory contributions to autism spectrum disorders and links to social responsiveness	$28,234	2.1	Vanderbilt University
National Institutes of Health	Environmental Toxins and Microglia-Synapse Interactions in Autism	$396,969	2.1	Massachusetts General Hospital
National Institutes of Health	Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	$138,243	2.1	University of Pennsylvania
Simons Foundation	Gender and temporoparietal network interactions in autism	$70,000	2.CC	Princeton University
Simons Foundation	Translational control by RBFox1: investigating its mechanisms and functions	$0	2.1	Trinity College Dublin, The University of Dublin
National Institutes of Health	Neurobehavioral Research on Infants at Risk for Language Delay and ASD	$740,072	2.3	Boston University
National Institutes of Health	Understanding the biology of language impairment through whole genome sequencing	$628,737	2.1	University of Iowa
National Institutes of Health	Infant Vocal Communication: Typical Development and Autism Risk	$565,736	2.3	University of Memphis
National Institutes of Health	Functional dissection of mammalian vocal communication	$343,454	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Disrupted auditory cortical plasticity and behavior in a model of Rett syndrome	$527,412	2.1	Cold Spring Harbor Laboratory
National Institutes of Health	Neurodevelopment of cognitive control in autism: adolescence to young adulthood	$702,174	2.3	University of California, Davis
National Institutes of Health	Somatosensory Inhibitory Dysfunction in Autism Spectrum Disorder.	$585,789	2.1	Johns Hopkins University
National Institutes of Health	Elucidating cutaneous mechanosensory circuits, from development to disease	$831,501	2.1	Harvard Medical School
Simons Foundation	Visualizing neural circuits of social sensory processing	$125,000	2.1	University of North Carolina at Chapel Hill

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Dysregulation of mTor/Tsc in 22q11DS Autism Model	$125,000	2.1	George Washington University
Department of Defense - Army	Forward Genetic Screen to Identify Novel Therapeutic Entry Points of an Autism Spectrum Disorder	$587,878	2.1	Baylor College of Medicine
Department of Defense - Army	Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation	$562,429	2.1	Baylor College of Medicine
National Institutes of Health	Functional Analysis of Rare Variants in Genes Associated with Autism	$147,905	2.1	Yale University
Simons Foundation	Role of the hippocampal CA2 region in autism	$125,000	2.1	Columbia University Medical Center
Simons Foundation	Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	$124,973	2.1	University of California, Los Angeles
Simons Foundation	Brain imaging of treatment response	$124,334	2.1	The Hospital for Sick Children
Simons Foundation	Identifying autism-associated signaling pathways regulated by CHD8 in vivo	$62,500	2.1	King's College London
National Institutes of Health	Coordinate actions between methyl-CpG binding proteins in neuronal development	$191,250	2.1	University of Wisconsin-Madison
National Institutes of Health	Role of Autism Susceptibility Gene, TAOK2 kinase, and its novel substrates in Synaptogenesis	$121,022	2.1	University of California, San Francisco
National Institutes of Health	Shared and Distinct Developmental Pathways to ADHD and Autism Spectrum Disorder	$82,062	2.2	University of California, Davis
National Institutes of Health	Deficits in KCC2 activity and the pathophysiology of Autism spectrum disorders	$206,250	2.1	Tufts University Boston
Simons Foundation	Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	$0	2.1	University of California, Los Angeles
Simons Foundation	Neural and cognitive discoordination in autism-related mouse models	$0	2.1	New York University
National Institutes of Health	Sex-specific regulation of social play	$250,400	2.CC	Boston College
National Institutes of Health	BDNF regulation of the cortical neuron transcriptome	$77,000	2.1	University of Colorado Denver
Simons Foundation	Convergent signaling pathways linking PTEN and MeCP2, two risk genes for autism spectrum disorders	$67,200	2.1	Charité – Medical University of Berlin
Simons Foundation	A Novel Transcriptional Cascade Involved in Brain Overgrowth in ASD	$35,000	2.1	Case Western Reserve University
National Institutes of Health	Astrocytes contribution to tuberous sclerosis pathology	$249,750	2.1	Yale University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	The Nature of Astrocyte Heterogeneity in RTT	$196,974	2.1	Baylor College Of Medicine
Simons Foundation	An investigation of inductive learning in autism	$0	2.1	University of California, Berkeley
National Institutes of Health	Change in social adaptive action and brain connectivity in infants' first 6 months	$165,939	2.1	Emory University
Simons Foundation	Do toll-like receptor innate immune responses act via autism risk genes to alter neuronal morphology and function?	$70,000	2.1	Institute of Molecular Biology, Academia Sinica
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$117,000	2.1	Emory University
National Institutes of Health	mTOR modulation of myelination	$1	2.1	Vanderbilt University
National Institutes of Health	Brain Microstructure & Behavior in Newly-Diagnosed Toddlers/Preschoolers with ASD	$186,879	2.1	Washington University in St. Louis
National Institutes of Health	Identification of human-relevant CLOCK molecular signaling pathways	$242,625	2.2	University of Texas Southwestern Medical Center
National Institutes of Health	Verbal/non-verbal asynchrony in adolescents with high-functioning Autism	$379,851	2.1	Emerson College
National Institutes of Health	MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	$728,507	2.1	Boston Children's Hospital
Simons Foundation	Characterizing Sensory Hypersensitivities in Autism	$230,098	2.1	Massachusetts General Hospital
National Institutes of Health	Detecting the Transfer of Maternal Antibodies into the Fetal Rhesus Monkey Brain	$195,729	2.1	University of California, Davis
Simons Foundation	Role of the Thalamic Reticular Nucleus in ASD	$0	2.1	Massachusetts Institute of Technology
National Institutes of Health	Peripersonal Space Representation as a Basis for Social Deficits in Autism and Schizophrenia Spectrum Disorders	$237,000	2.1	Vanderbilt University Medical Center
National Institutes of Health	Perception and central coherence in autism: A family genetic eye-tracking study	$73,594	2.1	Northwestern University
National Institutes of Health	Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders	$457,126	2.1	University of Pennsylvania
National Institutes of Health	Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders	$154,314	2.CC	University of Pennsylvania
National Institutes of Health	Autism-linked endosomal mechanisms in neuronal arborization and connectivity	$406,250	2.1	Brown University
Simons Foundation	Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	$0	2.1	King's College London
Autism Science Foundation	Mechanisms of sensory processing in ASD	$25,000	2.1	University of Rochester

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder	$531,432	2.3	San Diego State University
Simons Foundation	The IL-17 pathway in the rodent model of autism spectrum disorder	$90,000	2.1	University of Massachusetts Medical School
Simons Foundation	Explore the pathogenic role of mTor signaling in chr16p11.2 microdeletion	$0	2.1	Children's Hospital Los Angeles
National Institutes of Health	GABA(A) Receptor Assembly/Trafficking/Function and Epilepsy Missense Mutations	$255,937	2.2	Vanderbilt University Medical Center
National Institutes of Health	Dissecting neural mechanisms integrating multiple inputs in C. elegans	$485,000	2.1	Salk Institute for Biological Studies
National Institutes of Health	Translation, Synchrony, and Cognition	$379,689	2.1	New York University
National Institutes of Health	New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	$396,250	2.1	Cleveland Clinic
National Institutes of Health	Long non-coding RNAs in gene regulatory networks underlying Autism	$253,538	2.1	Icahn School of Medicine At Mount Sinai
National Institutes of Health	Mechanisms of Motor Skill Learning in the Fragile X Mouse Model	$305,056	2.1	University of Nebraska Medical Center
Simons Foundation	Hippocampal mechanisms of social learning in animal models of autism	$0	2.1	Baylor College of Medicine
Simons Foundation	SCN2A mouse	$0	2.1	Duke University Medical Center
National Institutes of Health	Rescuing Motor Deficits In SHANK3 Releated Disorders	$178,190	2.1	Baylor College Of Medicine
National Institutes of Health	Functional and Structural Optical Brain Imaging	$822,591	2.1	National Institutes of Health
Autism Research Institute	A Quantitative Study of Pyramidal Cells and Interneurons in the Cerebral Cortex	$20,000	2.1	University of South Carolina, Greenville
National Institutes of Health	Developmental Neurogenomics Unit	$2,390,943	2.1	National Institutes of Health
Autism Research Institute	Proteomic Studies of Autistic Brain	$25,650	2.1	Cleveland Clinic
Simons Foundation	Measuring the size of face regions in female and males	$58,035	2.CC	University of York
Autism Science Foundation	Grabbing the attention of females with autism spectrum disorder: An eye tracking study	$5,000	2.CC	Instituto Nacional de Sade Doutor Ricardo Jorge (INSA)
National Institutes of Health	Magnetoencephalographic studies of lexical processing and abstraction in autism	$310,373	2.1	University of Pennsylvania
National Institutes of Health	Impact of SynGAP1 Mutations on Synapse Maturation and Cognitive Development	$614,568	2.1	Scripps Research Institute - Florida
National Institutes of Health	Neurodevelopmental Phenotypes in MLL mutant mice	$435,379	2.1	Icahn School of Medicine At Mount Sinai

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	The role of Foxp1-regulated signaling pathways in brain development and behavior	$405,000	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	A computational framework for predicting the impact of mutations in autism	$431,352	2.1	University of California, San Diego
National Institutes of Health	FMRP and Pumilio co-regulate synaptogenesis by controlling Neuroglian expression	$27,936	2.1	Vanderbilt University
National Institutes of Health	Research Project: Sensory and Multisensory Contributions to Autism	$347,769	2.1	Vanderbilt University
National Institutes of Health	Sex-specific modulation of ASD liability: Compensatory mechanisms and recurrence	$282,169	2.CC	Washington University in St. Louis
National Institutes of Health	MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability	$245,548	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	$174,607	2.1	Duke University
National Institutes of Health	Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders	$234,157	2.1	Duke University
National Institutes of Health	Development of a whole-brain cellular mapping approach in a genetic model of autism and intellectual disability	$269,000	2.1	Scripps Research Institute - Florida
National Institutes of Health	Development of Behavioral and Neural Biomarkers for Autism Spectrum Disorder Using a Genetically Defined Subtype	$232,184	2.1	Icahn School of Medicine At Mount Sinai
Autism Speaks	Elucidating synapse-specific defects underlying autism	$30,400	2.1	University of Utah
National Institutes of Health	Novel non-cell autonomous mechanisms of callosal dysgenesis in CHARGE syndrome	$34,952	2.Core/Other	University of Michigan
National Institutes of Health	Biology of Non-Coding RNAs Associated with Psychiatric Disorders	$416,850	2.1	University of Southern California
National Institutes of Health	Bidirectional Tyrosine Kinase Signaling	$523,695	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders	$1,626,666	2.2	National Institutes of Health
National Institutes of Health	Impairments of Theory of Mind disrupt patterns of brain activity	$319,719	2.1	Massachusetts Institute of Technology
National Institutes of Health	Developmental programming of sex differences in brain innate immune cells	$183,965	2.CC	Ohio State University
National Institutes of Health	Regulation of Neuroligins and Effects on Synapse Number and Function	$1,133,599	2.1	National Institutes of Health
National Institutes of Health	Optogenetic treatment of social behavior in autism	$395,996	2.1	University of California, Los Angeles

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Early Life Seizures Disrupt Critical Period Plasticity	$411,265	2.2	University of Pennsylvania
National Institutes of Health	Imaging adaptive cerebellar processing at cellular resolution in awake mice	$428,215	2.1	Princeton University
National Institutes of Health	Roles of Oxytocin and Vasopressin in Brain	$2,020,403	2.1	National Institutes of Health
National Institutes of Health	Treatment of Medical Conditions among Individuals with Autism Spectrum Disorders	$518,777	2.2	National Institutes of Health
National Institutes of Health	The Cognitive Neuroscience of Autism Spectrum Disorders	$1,162,902	2.1	National Institutes of Health
National Institutes of Health	Cellular and Molecular Analysis of the Schizophrenia and Autism Spectrum Disorder gene Transcription Factor 4 (TCF4)	$456,500	2.1	Lieber Institute, Inc.
National Institutes of Health	GABAergic Neurophysiology in Autism Spectrum Disorder	$195,048	2.1	Stanford University
National Institutes of Health	Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity	$365,696	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Modeling multiple heterozygous genetic lesions in autism using Drosophila melanogaster	$0	2.1	University of California, Los Angeles
National Institutes of Health	Neural Phenotypes of Females with Autism Spectrum Disorder	$696,633	2.CC	University of California, Davis
National Institutes of Health	Neural Correlates of Biological Motion Perception in Children with ASD	$117,544	2.3	Seattle Children's Hospital
National Institutes of Health	Predicting Preschool Psychopathology with Brain Connectivity in Preterm Neonates	$169,998	2.1	Washington University in St. Louis
National Institutes of Health	The Role of Fragile X-related protein 1 in adult neurogenesis	$27,023	2.2	University of Wisconsin-Madison
National Institutes of Health	The Role of Central Gain Control in Hyperacusis of Diverse Origin	$58,408	2.1	State University of New York at Buffalo
Simons Foundation	PsychoGenics Inc.	$0	2.1	PsychoGenics Inc.
Simons Foundation	The Medical College of Wisconsin, Inc.	$79,243	2.1	The Medical College of Wisconsin, Inc.
National Institutes of Health	ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	$188,264	2.1	University of California, Los Angeles
National Institutes of Health	ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	$251,358	2.1	University of California, Los Angeles
National Institutes of Health	Reaching, posture, object exploration, and language in high- and low-risk infants	$527,883	2.3	University of Pittsburgh
National Institutes of Health	Monoallelic expression in neurons derived from induced pluripotent stem cells	$417,500	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Components of Emotional Processing in Toddlers with ASD	$669,551	2.1	Yale University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Functional connectivity substrates of social and non-social deficits in ASD	$702,426	2.1	Massachusetts General Hospital
National Institutes of Health	Neural basis underlying autistic behaviors	$288,000	2.1	Scripps Research Institute - Florida
National Institutes of Health	Neural networks for attention to internal and external sensory cues in ASD	$394,652	2.1	Vanderbilt University Medical Center
National Institutes of Health	Integrity and Dynamic Processing Efficiency of Networks in ASD	$620,386	2.1	San Diego State University
National Institutes of Health	Cortical Plasticity in Autism Spectrum Disorders	$437,648	2.1	Beth Israel Deaconess Medical Center
National Institutes of Health	Endocannabinoids in social and repetitive behavioral domains	$143,746	2.1	Vanderbilt University
National Institutes of Health	Heparan sulfate in neurophysiology and neurological disorders	$425,746	2.1	Sanford Burnham Prebys Medical Discovery Institute
National Institutes of Health	Understanding the Pathogenic Mechanisms of Rett Syndrome	$343,116	2.1	University of Pennsylvania
National Institutes of Health	Functional analysis of Neuroligin-Neurexin interactions in synaptic transmission	$366,406	2.1	University of Massachusetts Medical School
National Institutes of Health	Chromosomal Boundary Alterations Driving Transcriptional Dysregulation in Brain Disorders	$492,319	2.1	University of California, San Diego
National Institutes of Health	A Mitochondrial-Interneuronal Hypothesis of Autism	$673,299	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Loss and rescue of endocannabinoid-dependent LTP and memory in Fragile-X model mice	$460,044	2.1	University of California, Irvine
National Institutes of Health	Mechanisms of Synapse Remodeling in TSC	$126,066	2.2	Boston Children's Hospital
National Institutes of Health	Determination of the Epigenetic Regulation of Gene Transcription by MECP2 in Neurons	$30,741	2.1	University of Kentucky
Simons Foundation	Roles of pro-inflammatory Th17 cells in autism	$124,846	2.1	New York University
National Institutes of Health	Role of the intracellular signal integrator CC2D1A in the developing nervous system	$56,118	2.1	George Washington University
Simons Foundation	Role of a novel PRCI complex in neurodevelopment and ASD neurobiology	$225,000	2.1	New York University School of Medicine
National Institutes of Health	Characterization of Oxytocin Receptors in Autism Spectrum Disorder	$196,250	2.1	University of California, Davis
National Institutes of Health	A mouse model for AUTS2-linked neurodevelopmental disorders	$228,838	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Cell-specific molecular mechanisms underlying brain pathology in ASD	$157,000	2.1	University of California, Davis
National Science Foundation	Gesture as a forerunner of linguistic change-insights from autism	$0	2.3	Georgia State University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Formation and Function of Circuitry for Vocal Learning	$361,456	2.1	University of California, Los Angeles
National Institutes of Health	Prefrontal cortical dysfunction in Rett syndrome	$396,250	2.2	Case Western Reserve University
National Institutes of Health	Cell adhesion molecules in autism: a whole-brain study of genetic mouse models	$473,750	2.1	Cold Spring Harbor Laboratory
National Institutes of Health	Executive Function in Children with Typical and Atypical Language Abilities	$564,177	2.1	University of Wisconsin-Madison
National Institutes of Health	Investigating the Mechanism of Optic Nerve Hypoplasia Associated with CASK Mutation	$396,400	2.2	Virginia Polytechnic Institute and State University
National Institutes of Health	Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography	$141,178	2.1	Washington University in St. Louis
National Institutes of Health	Neuronal Correlates of Autistic Traits in ADHD and Autism	$785,428	2.1	New York University School of Medicine
National Institutes of Health	Genetic models for social attachment deficits in psychiatric illness	$184,131	2.1	University of California, San Francisco
National Institutes of Health	Cell Type-specific Alternative Splicing Controls Cerebral Cortical Development	$162,356	2.Core/Other	Boston Children's Hospital
National Institutes of Health	Foxp2 regulation of sex specific transcriptional pathways and brain development	$249,000	2.CC	Virginia Polytechnic Institute and State University
National Institutes of Health	Mechanisms of Brain Dysfunction in Tuberous Sclerosis	$333,594	2.1	Washington University in St. Louis
National Institutes of Health	CRISPR/Cas9-Based Functional Characterization of ANK2 Mutations in ASD Neural Circuitry	$95,886	2.1	Massachusetts General Hospital
National Institutes of Health	M1 circuit dysfunction in MECP2 duplication syndrome	$282,068	2.1	Brigham and Women's Hospital
National Institutes of Health	Mechanisms underlying word learning in fragile X syndrome and nonsyndromic ASD	$156,917	2.1	University of California, Davis
National Institutes of Health	Dissecting recurrent microdeletion syndromes using dual-guide genome editing	$580,798	2.1	Massachusetts General Hospital
National Institutes of Health	The cognitive searchlight: TRN circuit dissection in health and disease	$513,366	2.1	New York University School of Medicine
National Institutes of Health	Gaining insight into psychiatric disease by engineering piece by piece the human brain in vitro.	$489,075	2.1	Stanford University
National Institutes of Health	Molecular Pathogenesis Studies of Rett Syndrome	$346,719	2.1	Baylor College of Medicine
National Institutes of Health	Atypical Late Neurodevelopment in Autism: A Longitudinal Clinical Phenotype and Multimodal Brain Imaging Study	$772,038	2.3	University of Wisconsin-Madison

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Neural Circuits That Regulate Social Motivation in Autism	$148,379	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Mechanisms underlying word learning in children with ASD: Non-social learning and	$172,195	2.1	Boston University
National Institutes of Health	Functional Genomics of Human Brain Development	$1,621,706	2.1	Yale University
Simons Foundation	Mouse Model of Dup15q Syndrome	$0	2.1	Texas AgriLife Research
National Institutes of Health	Mosaicism in focal cortical dysplasias spectrum seen in neuropsychiatric disease	$824,579	2.2	Rockefeller University
National Institutes of Health	Molecular mechanisms of the synaptic organizer alpha-neurexin	$379,844	2.1	University of Texas Medical Branch at Galveston
National Institutes of Health	Characterizing mechanistic heterogeneity across ADHD and Autism	$465,839	2.1	Oregon Health & Science University
National Institutes of Health	Cortical Circuit Dysfunction in Fragile X Syndrome	$339,738	2.1	University of Colorado Denver
National Institutes of Health	A Novel Essential Gene for Human Cognitive Function	$31,881	2.1	Harvard Medical School
National Institutes of Health	A Family-Genetic Study of Autism and Fragile X Syndrome	$868,531	2.1	Northwestern University
National Institutes of Health	Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism	$183,568	2.1	Columbia University
National Institutes of Health	Mosaicism in focal cortical dysplasias spectrum seen in neuropsychiatric disease	$220,350	2.2	Rockefeller University
National Institutes of Health	Mechanisms of circuit failure and treatments in patient-derived neurons in autism	$406,250	2.1	Brown University
National Institutes of Health	The Impact of Pten Signaling on Neuronal Form and Function	$405,000	2.1	Dartmouth College
National Institutes of Health	Developmental Linkage of Metabolic Homeostasis and Sociality	$281,746	2.1	Indiana University
National Institutes of Health	Quantitative Measurements of Cortical Excitability in Neurodevelopmental Disorder	$197,500	2.1	Stanford University
National Institutes of Health	Alterations to corticothalamic circuitry in a mouse model of autism	$12,090	2.1	Louisiana State University
Autism Science Foundation	Undergraduate Research Award	$3,000	2.1	Children's Hospital of Philadelphia
Autism Science Foundation	Undergraduate Research Award	$3,000	2.2	Yale University
National Institutes of Health	Alterations to corticothalamic circuitry in a mouse model of autism	$110,270	2.1	Louisiana State University
National Institutes of Health	ANALYSIS OF CORTICAL FUNCTION	$216,871	2.2	National Institutes of Health